



# MATERIAL SAFETY DATA SHEET

THE PROPRIETARY PRODUCT FORMULATION DATA  
SUBMITTED ON THIS FORM IS FOR APPROPRIATE  
OCCUPATIONAL SAFETY & HEALTH RELATED USAGE  
ONLY. OTHER USE OR DISCLOSURE TO THIRD PARTIES  
MAY RESULT IN LEGAL ACTION AGAINST THE  
VIOLATOR BY HENSCHEL CORPORATION.

FEB 24 1982

## SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME HEXCEL CORPORATION - Chemical Products Division		EMERGENCY TELEPHONE NO. (213) 882-3022	
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 20701 Nordhoff Street - Chatsworth, CA, 91311			N.K. Hankins
CHEMICAL NAME AND SYNONYMS Polyurethane Prepolymer and Hardener		TRADE NAME AND SYNONYMS URALITE® 3123	
CHEMICAL FAMILY Polyurethane		FORMULA Proprietary Prepolymer (Isocyanate and Polyol) and Polyol Hardener 100A/44B	

## SECTION II: HAZARDOUS INGREDIENTS\*

[illegible]

### SECTION III: PHYSICAL DATA

Boiling Point (°F)	Part A: > 460°F Part B: Not available	Specific Gravity (H <sub>2</sub> O = 1)	Part A: 1.18 Part B: 1.03
OR Pressure (mm Hg.)	Part A: < 0.01 mm Hg 75°F Part B: < 0.0005 mm Hg 75°F	Percent Volatile By Volume (%)	Nil
OR Density (A = 1)	Unknown	Evaporation Rate (_____ = 1)	N/A
Solubility in Water	Part A: Reactive Part B: Slightly soluble		
Appearance and Odor	Part A: Water white to light amber - sharp characteristic odor. Part B: Light amber color - sweet odor		

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

SH POINT (METHOD USED)	Part A: 3500°F	FLAMMABLE LIMITS	
	Part B: 3250°F		Unknown

INGUISHING MED

CO<sub>2</sub> or dry chemical for small fires. Water and foam for larger fires.

## CIAL FIRE FIGHTING PROCEDURES

Vapors exceedingly irritating when inhaled. Self-contained breathing apparatus should be available to firemen.

## SUAL FIRE AND EXPLOSION HAZARDS

None

\*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES. USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

## SECTION V: HEALTH HAZARD DATA

HEALTH HAZARD LIMIT VALUE

Part A: Not established.

Part B: Not established.

EFFECTS OF OVEREXPOSURE Part A: Vapors are exceedingly irritating to mucous membrane and eyes. Can cause acute temporary chest discomfort and breathing difficulty. Skin contact may cause sensitization. Part B: May cause skin irritation. May produce delayed chemical burns. Ingestion may cause poisoning.

AGENCY AND FIRST AID PROCEDURES Skin contact: Prompt washing with 99% isopropyl alcohol followed by washing with soap and water. Eye contact: Irrigate promptly with clean water for 15 minutes and call a physician. Inhalation: Treat symptomatically; vaso-dilators, fresh air, oxygen. Call a physician. Ingestion: Call a physician at once. Give milk or white of egg beaten with water. Then give a tablespoon of salt in a glass of warm water and repeat until vomit fluid is clear.

## SECTION VI: REACTIVITY DATA

REACTIVITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Avoid heat

COMPATIBILITY (MATERIALS TO AVOID)

## HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Moisture contamination may form CO <sub>2</sub> gas pressure.

## SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
 Ventilate the area thoroughly. Spilled compound should be absorbed in sawdust or other absorbent material and stored temporarily in an open container. Absorbed Part A should be treated with a solution of water, ammonia and isopropanol before disposal.

## WASTE DISPOSAL METHOD

Controlled incineration or buried landfill. Waste disposal should be in accordance with federal, state and local environmental control regulations.

## SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) If used in an enclosed area, use an air supplied mask or respirator with cannister for organic vapors.

VENTILATION	LOCAL EXHAUST If handled indoors, provide mechanical exhaust ventilation.	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES Rubber or neoprene

EYE PROTECTION Safety glasses and face shield

OTHER PROTECTIVE EQUIPMENT Rubber or plastic aprons.

## SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
 Store in a cool, dry area in tightly closed containers.

OTHER PRECAUTIONS Avoid contact with skin or clothing. Contaminated clothing must be removed and laundered before wearing again. Contaminated shoes must be thoroughly cleaned or discarded.

PREPARED BY P.W. Cuthbert

October 30, 1980  
 DATE

BOE-C6-0190155